

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-15. (Canceled).

16. (New) A transmitting apparatus that transmits a pilot signal, the transmitting apparatus comprising:

a transmitting section that transmits information of an arrangement of a plurality of time slots each having pilot signals of a unique pilot pattern of a unique arrangement density in a frequency domain or a time domain, and that transmits per time slot the pilot signals of the unique pilot pattern according to the arrangement of the plurality of time slots.

17. (New) The transmitting apparatus according to claim 16, wherein the transmitting section repeats processing of transmitting per time slot the pilot signals of the unique pilot pattern according to the arrangement of the plurality of time slots.

18. (New) The transmitting apparatus according to claim 16, further comprising:
a multiplexing section that multiplexes the pilot signals of the unique pilot pattern and user data according to the arrangement of the plurality of time slots to generate a multiplexed signal, wherein

the transmitting section transmits the multiplexed signal.

19. (New) A transmitting method of transmitting a pilot signal, the transmitting method comprising:

transmitting information of an arrangement of a plurality of time slots each having pilot signals of a unique pilot pattern of a unique arrangement density in a frequency domain or a time domain, and transmitting per time slot the pilot signals of the unique pilot pattern according to the arrangement of the plurality of time slots.

20. (New) An integrated circuit that controls transmission of a pilot signal, the integrated circuit comprising:

a controlling section that controls processing of transmitting information of an arrangement of a plurality of time slots each having pilot signals of a unique pilot pattern of a unique arrangement density in a frequency domain or a time domain, and that controls processing of transmitting per time slot the pilot signals of the unique pilot pattern according to the arrangement of the plurality of time slots.